

From: Dawn Ioven/R3/USEPA/US
Sent: 3/15/2012 2:41:40 PM
To: johnson.eric@epa.gov
CC:
Subject: READING FILE - Fw: Here is the final version of the Dimock lithium TA for documentum

----- Forwarded by Dawn Ioven/R3/USEPA/US on 03/15/2012 02:41 PM -----

From: Dawn Ioven/R3/USEPA/US
To: Lora Werner/R3/USEPA/US
Date: 03/14/2012 11:27 AM
Subject: Re: Fw: Here is the final version of the Dimock lithium TA for documentum

Hi, Lora. I read the attachment; it provides an excellent summary of lithium toxicity and the uncertainties associated with exposure. When comparing the methods employed by EPA and ATSDR for deriving a risk-based trigger for lithium, a clear difference exists, as explained in the attachment. Because of EPA's significant emphasis on 1) protecting sensitive subpopulations and 2) using great caution when uncertainties exist, the projected triggers for action (EPA vs. ATSDR) for lithium differ.

Under EPA's established approach, the generic screening level for lithium in tap water is 31 ug/L; this represents a Hazard Quotient (HQ) of 1 for child residents under a chronic exposure scenario. In terms of the trigger for an immediate action, EPA has determined that an HQ of 3 or greater elicits the need to consider this possibility. For lithium, the trigger for consideration would be 93 ug/L (HQ = 3). While this deviates from ATSDR's recommendation, it is based on different considerations and endpoints, representing an inherent difference in the missions of the two agencies. Neither is wrong; we are simply answering slightly different questions.

Ex. 5 - Deliberative

Dawn A. Ioven, toxicologist
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Fw: Here is the final version of the Dimock lithium TA for documentum

Lora Werner

to: Dawn Ioven

03/13/2012 03:54 PM

Ex. 5 - Deliberative

Ex. 6 - Personal Privacy

Lora Siegmann Werner, MPH
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----- Forwarded by Lora Werner/R3/USEPA/US on 03/13/2012 03:53 PM -----

From: Lora Werner/R3/USEPA/US
To: TForrester@cdc.gov, "Zanduetta, Socorro (ATSDR/DRO) (CTR)" <huj4@cdc.gov>, SWilliams-Fleetwood@cdc.gov
Cc: "Wilder, Lynn (ATSDR/DHS/HIBR)" <lwx2@CDC.GOV>, "Nickle, Richard" <ran2@CDC.GOV>
Date: 03/13/2012 02:59 PM
Subject: Here is the final version of the Dimock lithium TA for documentum

Ex. 5 - Deliberative

THANK YOU

Lora

Lora Siegmann Werner, MPH
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www.cdc.gov. [attachment "ATSDR_DRO_Dimock Lithium ActivityForm 3-13-12.doc" deleted by
Dawn Ioven/R3/USEPA/US]